

=> fil reg; d que l5; fil hom
FILE 'REGISTRY' ENTERED AT 15:25:21 ON 01 MAY 2002
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PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
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STRUCTURE FILE UPDATES: 30 APR 2002 HIGHEST RN 409303-45-3
DICTIONARY FILE UPDATES: 30 APR 2002 HIGHEST RN 409303-45-3

TSCA INFORMATION NOW CURRENT THROUGH July 7, 2001

Please note that search-term pricing does apply when
conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Calculated physical property data is now available. See HELP PROPERTIES
for more information. See STNote 27, Searching Properties in the CAS
Registry File, for complete details:
<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

Seg 46-48 & their complements

L3 2 SEA FILE=REGISTRY ABB=ON ACUACAGGUUUGCACCACCAUGUCCUGCUAAUUUUUU
UUU|AAAAAAAAAUAGCAGGACAUGGUGGUGCAAACCUGUAGU|ACUACAGGUUUGCACCAC
CGUGUCCUGCUAAUUUUUUUUU|AAAAAAAAAUAGCAGGACACGGUGGUGCAAACCUGUAGU
|UGUGCACUCUUGGGCAUACGCCUAGGAGUGGAACUGCUG|CAGCAGUUCCACUCCUAGGCGU
AUGCCCAAGAGUGCACA/SQSN

L4 1 SEA FILE=REGISTRY ABB=ON UGUGCACUCUUGGGCAUAUGCCUAGGAGUGGAACUGC
UG|CAGCAGUUCCACUCCUAGGCAUAUGCCCAAGAGUGCACA|GGGCUCUGCGCCACCUC AAC
CCAGGCGUUUGUCCGCAG|CUGCGGAACAAACGCCUGGGUUGAGGUGGCGCAGAGCCC|GGG
CUCUGCGCCACCUC AACUCAGGCGUUUGUCCGCAG|CUGCGGAACAAACGCCUGAGUUGAGG
UGGCGCAGAGCCC/SQSN

L5 0 SEA FILE=REGISTRY ABB=ON (L3 OR L4) AND SQL<100

*Seg 49-51 &
their
complements*

FILE 'HOME' ENTERED AT 15:25:21 ON 01 MAY 2002

Oligo 2

AI126846
 LOCUS AI126846 464 bp mRNA linear EST 26-OCT-1998 102(a)
 DEFINITION qb86d03.x1 Soares_fetal_heart_NbHH19W Homo sapiens cDNA clone or 102(b)?
 IMAGE:1706981 3' similar to contains Alu repetitive element
 ;contains Ll.tl Ll Ll repetitive element ;, mRNA sequence.
 ACCESSION AI126846
 VERSION AI126846.1 GI:3595360
 KEYWORDS EST.
 SOURCE human.
 ORGANISM Homo sapiens
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
 REFERENCE 1 (bases 1 to 464)
 AUTHORS NCI-CGAP <http://www.ncbi.nlm.nih.gov/ncicgap>.
 TITLE National Cancer Institute, Cancer Genome Anatomy Project (CGAP),
 Tumor Gene Index
 JOURNAL Unpublished (1997)
 COMMENT Contact: Robert Strausberg, Ph.D.
 Email: cgapbs-r@mail.nih.gov
 This clone is available royalty-free through LLNL ; contact the
 IMAGE Consortium (info@image.llnl.gov) for further information.
 Insert Length: 437 Std Error: 0.00
 Seq primer: -40ml3 fwd. ET from Amersham
 High quality sequence stop: 421.
 FEATURES
 source Location/Qualifiers
 1. .464
 /organism="Homo sapiens"
 /db_xref="taxon:9606"
 /clone="IMAGE:1706981"
 /clone_lib="Soares_fetal_heart_NbHH19W"
 /sex="unknown"
 /dev_stage="19 weeks"
 /lab_host="DH10B (ampicillin resistant)"
 /note="Organ: heart; Vector: pT7T3D (Pharmacia) with a
 modified polylinker; Site_1: Not I; Site_2: Eco RI; 1st
 strand cDNA was primed with a Not I - oligo(dT) primer [5'
 TGTTACCAATCTGAAGTGGGAGCGGCCGCATCTTTTTTTTTTTTTTTT 3'],
 double-stranded cDNA was size selected, ligated to Eco RI
 adapters (Pharmacia), digested with Not I and cloned into
 the Not I and Eco RI sites of a modified pT7T3 vector
 (Pharmacia). Library went through one round of
 normalization to a Cot = 5. Library constructed by
 M.Fatima Bonaldo. This library was constructed from the
 same fetus as the fetal lung library, Soares fetal lung
 NbHLL19W."
 BASE COUNT 113 a 116 c 95 g 140 t
 ORIGIN

Query Match 18.5%; Score 292; DB 9; Length 464;
 Best Local Similarity 100.0%; Pred. No. 3.6e-49;
 Matches 292; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1266 agacagggtttctcctcattggccaggctggtctcgaaactcctgacctcagacgatccac 1325
 |||||
 Db 25 AGACAGGGTTTCTCCTCATTGGCCAGGCTGGTCTCGAACTCCTGACCTCAGACGATCCAC 84

Qy 1326 ctgcctcagcctcccgaagtgttgggattacaggcacgagccactgtgcccggccatcat 1385
 ||||||||||||||||||||||||||||||||||||||||||||||||||||||||
 Db 85 CTGCCTCAGCCTCCCGAAGTGTGGGATTACAGGCACGAGCCACTGTGCCCGGCATCAT 144

 Qy 1386 tcctttttactgctgactaatagtctgctgtgtgaatccaccgctagaaaccactcatc 1445
 ||||||||||||||||||||||||||||||||||||||||||||||||||||||||
 Db 145 TCCTTTTACTGCTGACTAATAGTCTGCTGTGTGAATCCACCGCTAGAAACCCACTCATC 204

 Qy 1446 agttgatggcatgtgggttgcttctgctattcgcttattatgaacagtgctggaataaa 1505
 ||||||||||||||||||||||||||||||||||||||||||||||||||||||||
 Db 205 AGTTGATGGTCATGTGGGTGCTTCTGCTATTCGCTTATTATGAACAGTGCTGGAATAAA 264

 Qy 1506 cgttcctgtgcactcttgggcatacgcctaggagtgggaactgctgggtcaaa 1557
 ||||||||||||||||||||||||||||||||||||||||||||||||||||||||
 Db 265 CGTTCCTGTGCACTCTTGGGCATACGCCTAGGAGTGGAAGTCTGGGTCAAA 316

Search completed: May 25, 2002, 04:08:08

Qy 6748 aactcctgacctcagacgatccacctgcctcagcctcccgaagtgttgggattacaggca 6807
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 Db 61 AACTCCTGACCTCAGACGATCCACCTGCCTCAGCCTCCCGAAGTGTTGGGATTACAGGCA 120

Qy 6808 cgagccactgtgccccggccatcattcctttttactgctgactaatagtctgctgtgtgaa 6867
 |||
 Db 121 CGAGCCACTGTGCCCCGGCCATCATTCTTTTTACTGCTGACTAATAGTCTGCTGTGTGAA 180

Qy 6868 tccaccgctagaaacccactcatcagttgatggatcatgtgggttgcttctgctattcgct 6927
 |||
 Db 181 TCCACCGCTAGAAACCCACTCATCAGTTGATGGTCATGTGGGTGCTTCTGCTATTTCGCT 240

Qy 6928 tattatgaacagtgctggaataaacgttcctgtgcactcttgggcatacgcttaggagtg 6987
 |||
 Db 241 TATTATGAACAGTGCTGGAATAAACGTTCTGTGACTCTTGGGCATACGCCIAGGAGTG 300

Qy 6988 gaactgctgggtcaaagtgggtgactttacgtttaacgttctgaggagccgccaggcggtttt 7047
 |||
 Db 301 GAACTGCTGGGTCAAATGGTGACTTTACGTTTAACGTTCTGAGGAGCCGCCAGCGT TTT 360

Qy 7048 aacacagtgactgcaccatttcacattcctgccacaatgtgtgagaattccaatttctc 7107
 |||
 Db 361 AACACAGTGACTGCACCATTTCACATTCTGCCAACAATGTGTGAGAATTCCAATTCTC 420

Qy 7108 tacatccccaacattttccttttaaaaaaaa 7137
 |||
 Db 421 TACATCCCCAACATTTTCCTTTAAAAAAA 450